

## POTENTIAL FOR MULTIPLE LARGE DEPOSITS AT GIDJI JV

- **All December 2021 aircore drilling results now received**
- **Marylebone East footprint now over 2.5km long - remains open to NW**
- **Blackfriars drilling intersects possible Aphrodite-style porphyry unit**

**Miramar Resources Limited (ASX:M2R, “Miramar” or “the Company”)** is pleased to advise that it has received further significant aircore drilling results from its 80%-owned Gidji JV Project (“Gidji” or “the Project”), in the Eastern Goldfields of WA.

### **December 2021 aircore drilling**

The Company has now received all remaining results from the December 2021 aircore drilling campaign.

As advised previously, the programme has delivered a number of significant new results from the Marylebone and Blackfriars targets, including some of the best results returned from the Project to date (see ASX Release dated 8 April 2022).

The final batch of assays included significant results from three holes, including **GJAC619**, which is located at the far northern end of Marylebone East and intersected **4m @ 1.54g/t Au**. The Marylebone East target remains open to the northwest of this hole for at least another 500m giving a total strike length of approximately 2.5km.

### **Blackfriars/Highway aircore drilling**

The Company advises that aircore drilling at the Blackfriars target has identified a intermediate porphyritic unit between the Black Flag Beds, to the west, and the porphyritic basalt unit to the east.

One of the key components of Miramar’s exploration model at Gidji is identifying competent rock units sandwiched between less competent units, where the more competent rocks can act as a focus for gold mineralisation which is then trapped and/or offset by later faults.

This geological and structural relationship is observed elsewhere at several major gold deposits including Paddington and Mt Charlotte (Figure 3).

This newly recognised porphyry unit, observed in two drill sections so far, may be the equivalent of the porphyry that hosts the majority of gold mineralisation at the 1.6 million ounce Aphrodite gold deposit which is also located at the contact between Black Flag sediments and a basalt unit.

The current aircore drill programme is infilling the Blackfriars footprint and testing the Highway target for the first time.

Miramar’s Executive Chairman, Mr Allan Kelly, said the most recent drill results, along with geological observations from the current drilling programme, underscored the huge potential of the Gidji JV Project.

*“At Gidji, we now have analogues for not one, but two plus million-ounce gold deposits,” Mr Kelly said.*

*“The Blackfriars target seems to have the same geology and scale as the 1.6 million ounce Aphrodite deposit but, to date, we have only tested it with very wide-spaced aircore drilling,” he added.*

*“Given the size and tenor of the untested historical auger Au-As anomalism at Highway, we are hoping we might have a trifecta at Gidji,” he said.*

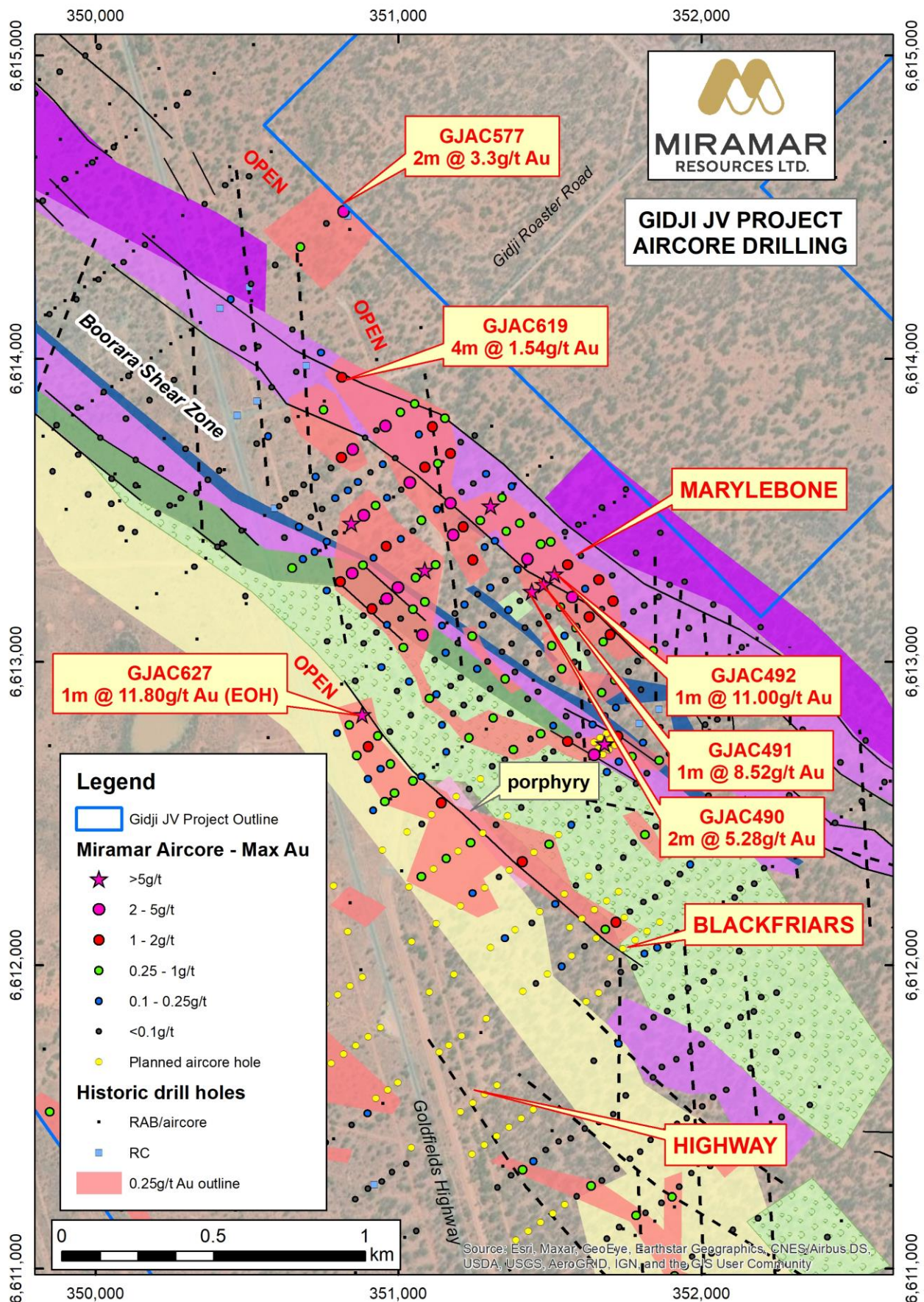
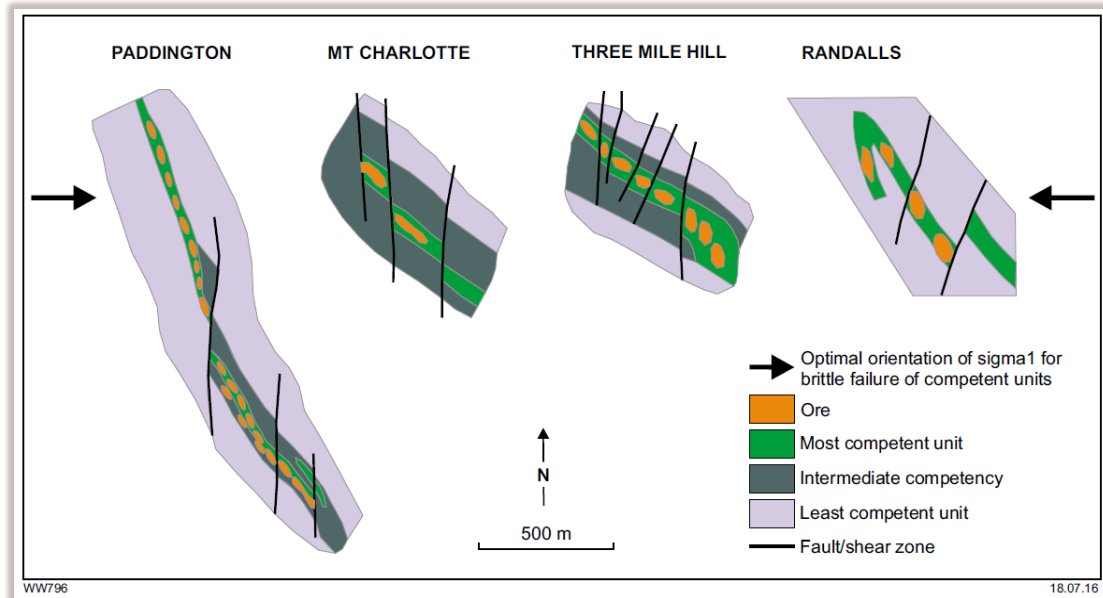
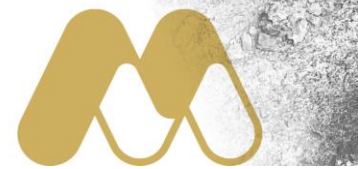


Figure 1. Marylebone and Blackfriars targets highlighting new results and current drilling.





**Figure 2.** Schematic maps of gold deposits formed in rheologically competent units that have been offset and partially or completely isolated by oblique D4 faults (Witt, 2016, after Groves et al., 2000).

For more information on Miramar Resources Limited, please visit the company’s website at [www.miramarresources.com.au](http://www.miramarresources.com.au) or contact:

Allan Kelly  
 Executive Chairman  
 info@miramarresources.com.au

Margie Livingston  
 Ignite Communications  
 margie@ignitecommunications.com.au

This announcement has been authorised for release by Mr Allan Kelly, Executive Chairman, on behalf of the Board of Miramar Resources Limited.



**Table 1.** All significant results >0.25g/t Au from December 2021 aircore drilling.

Target	Hole	EOH Depth	From	To	Interval	Au	Comments
Marylebone	GJAC459	69	52	56	4	0.39	
	GJAC471	51	40	41	1	0.29	
	GJAC475	37	36	37 EOH	1	0.40	
	GJAC477	68	55	56	1	0.90	
	<b>GJAC478</b>	<b>65</b>	<b>52</b>	<b>55</b>	<b>3</b>	<b>1.11</b>	
	<b>GJAC480</b>	<b>60</b>	<b>52</b>	<b>56</b>	<b>4</b>	<b>1.42</b>	
	GJAC484	53	48	52	4	0.29	
	GJAC485	59	40	43	3	0.89	
	<b>GJAC490</b>	<b>58</b>	<b>52</b>	<b>54</b>	<b>2</b>	<b>5.28</b>	
	<b>GJAC491</b>	<b>61</b>	<b>55</b>	<b>56</b>	<b>1</b>	<b>8.52</b>	
	<b>GJAC492</b>	<b>62</b>	<b>55</b>	<b>56</b>	<b>1</b>	<b>11.00</b>	<b>2.87g/t Ag</b>
	<b>GJAC493</b>	<b>60</b>	<b>48</b>	<b>60 EOH</b>	<b>12</b>	<b>0.30</b>	<b>3.30g/t Ag</b>
		<b>Incl.</b>	<b>55</b>	<b>56</b>	<b>1</b>	<b>1.21</b>	
	<b>GJAC504</b>	<b>65</b>	<b>56</b>	<b>57</b>	<b>1</b>	<b>1.17</b>	
	GJAC509	59	52	55	3	0.33	
	GJAC510	59	52	55	3	0.27	
	<b>GJAC514</b>	<b>66</b>	<b>56</b>	<b>57</b>	<b>1</b>	<b>1.24</b>	<b>open</b>
	<b>GJAC516</b>	<b>74</b>	<b>52</b>	<b>53</b>	<b>1</b>	<b>2.00</b>	
	<b>GJAC523</b>	<b>63</b>	<b>44</b>	<b>45</b>	<b>1</b>	<b>1.22</b>	
	GJAC524	51	40	44	4	0.71	
	GJAC525	60	44	45	1	0.72	
	GJAC526	69	46	52	6	0.26	1.34g/t Ag
	GJAC533	63	49	52	3	0.68	1.48g/t Ag
	GJAC534	81	44	48	4	0.28	1.42g/t Ag
	<b>GJAC536</b>	<b>54</b>	<b>40</b>	<b>44</b>	<b>4</b>	<b>1.08</b>	
	<b>GJAC537</b>	<b>63</b>	<b>44</b>	<b>45</b>	<b>1</b>	<b>2.26</b>	
	GJAC538	81	49	52	3	0.42	
	<b>GJAC540</b>	<b>60</b>	<b>46</b>	<b>48</b>	<b>2</b>	<b>1.18</b>	<b>1.93g/t Ag</b>
	GJAC543	69	56	60	4	0.57	
	<b>GJAC559</b>	<b>68</b>	<b>52</b>	<b>56</b>	<b>4</b>	<b>1.73</b>	
		<b>Incl.</b>	<b>52</b>	<b>54</b>	<b>2</b>	<b>2.73</b>	
	<b>GJAC562</b>	<b>56</b>	<b>48</b>	<b>56 EOH</b>	<b>8</b>	<b>1.63</b>	<b>sulphides</b>
<b>Incl.</b>		<b>49</b>	<b>52</b>	<b>3</b>	<b>3.00</b>	<b>17.21g/t Ag</b>	
GJAC574		43	44	1	0.67	<b>1.73g/t Ag</b>	
<b>GJAC577</b>	<b>51</b>	<b>42</b>	<b>44</b>	<b>2</b>	<b>3.30</b>	<b>open</b>	
<b>GJAC619</b>	<b>55</b>	<b>48</b>	<b>52</b>	<b>4</b>	<b>1.54</b>		
GJAC620	53	48	51	3	0.26		
GJAC624	60	40	43	3	0.83		
Blackfriars	GJAC626	55	48	49	1	0.25	
	<b>GJAC627</b>	<b>47</b>	<b>46</b>	<b>47 EOH</b>	<b>1</b>	<b>11.80</b>	<b>6.06g/t Ag</b>
	GJAC628	57	45	46	1	0.34	
	GJAC629	60	44	48	4	0.67	
	GJAC632	60	44	47	3	0.92	
	GJAC633	60	44	46	2	0.60	
	GJAC634	60	48	49	1	0.31	



## COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Allan Kelly, a “Competent Person” who is a Member of The Australian Institute of Geoscientists. Mr Kelly is the Executive Chairman of Miramar Resources Ltd. He is a full-time employee of Miramar Resources Ltd and holds shares and options in the company.

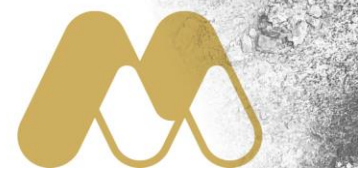
Mr Kelly has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to Qualify as a “Competent Person” as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’.

Mr Kelly consents to the inclusion in this Announcement of the matters based on his information and in the form and context in which it appears.

Historical exploration results for the Gidji JV Project, including JORC Table 1 and 2 information, is included in the Miramar Prospectus dated 4 September 2020.

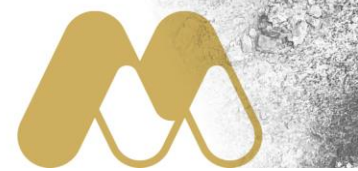
JORC Table 1 and 2 information for recent exploration results at the Gidji JV Project, including hole collar information, is contained in the following ASX Announcements:

- 8/4/2022 *Multiple High-Grade Gold Results from Gidji JV*
- 10/3/2022 *Nickel Sulphide Targets Identified at Gidji JV*
- 1/2/2022 *RC Drilling Underway at Marylebone*
- 10/1/2022 *New Target at Gidji JV Increases Camp-Scale Potential*
- 22/12/2021 *Gidji drilling results indicate potential new gold camp*
- 25/11/2021 *Gidji JV Exploration Update*
- 7/10/2021 *Significant Gold Results from Gidji JV Drilling*
- 23/09/2021 *Multiple High-Grade Gold Results from Marylebone*
- 13/09/2021 *Gidji JV Tenements Granted*
- 2/08/2021 *Aircore Drilling Grows Marylebone*
- 29/06/2021 *New Aircore Results Upgrade Gidji Targets*
- 3/06/2021 *RC and Aircore Drilling Underway at Gidji JV*
- 11/05/2021 *Aircore Drilling Extends and Upgrades Marylebone*
- 6/05/2021 *Gidji JV Project Exploration Update*
- 15/04/2021 *Gidji Diamond Drilling - Additional Information*
- 12/04/2021 *Gidji Drilling Extends Runway and Hits Visible Gold*
- 16/03/2021 *Drilling Underway at Gidji*
- 11/02/2021 *High-grade gold at Gidji upgrades targets*
- 1/02/2021 *Gidji drilling intersects visible gold and outlines multiple targets*



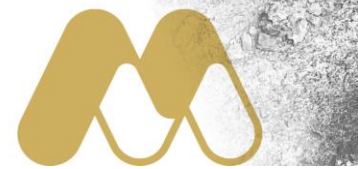
**Table 2.** Collar information for all December 2021 aircore drill holes (holes drilled vertically to refusal).

Hole ID	MGA East	MGA North	EOH Depth	Hole ID	MGA East	MGA North	EOH Depth
GJAC455	351,613	6,612,574	54	GJAC549	350,833	6,613,565	66
GJAC456	351,646	6,612,602	55	GJAC550	350,866	6,613,594	66
GJAC457	351,688	6,612,637	62	GJAC551	350,909	6,613,625	73
GJAC458	351,728	6,612,672	58	GJAC552	350,949	6,613,652	59
GJAC459	351,771	6,612,688	69	GJAC553	350,990	6,613,672	57
GJAC460	351,807	6,612,734	73	GJAC554	350,626	6,613,537	57
GJAC461	351,846	6,612,772	52	GJAC555	350,652	6,613,553	14
GJAC462	351,865	6,612,784	48	GJAC556	350,660	6,613,557	43
GJAC463	351,511	6,612,790	81	GJAC557	350,688	6,613,584	66
GJAC464	351,437	6,612,746	59	GJAC558	350,778	6,613,640	57
GJAC465	351,351	6,612,678	61	GJAC559	350,850	6,613,701	68
GJAC466	351,145	6,612,792	57	GJAC560	350,891	6,613,739	69
GJAC467	351,182	6,612,830	51	GJAC561	350,927	6,613,763	63
GJAC468	351,216	6,612,858	51	GJAC562	350,958	6,613,779	56
GJAC469	351,269	6,612,880	48	GJAC563	350,571	6,613,745	48
GJAC470	351,303	6,612,912	51	GJAC564	350,634	6,613,799	36
GJAC471	351,353	6,612,944	51	GJAC565	350,582	6,613,906	42
GJAC472	351,385	6,612,967	53	GJAC566	350,664	6,613,956	40
GJAC473	351,422	6,612,998	46	GJAC567	350,745	6,614,020	48
GJAC474	351,464	6,613,029	51	GJAC568	350,651	6,614,096	47
GJAC475	351,507	6,613,054	37	GJAC569	350,538	6,614,040	33
GJAC476	351,549	6,613,087	37	GJAC570	350,488	6,614,035	41
GJAC477	351,586	6,613,114	68	GJAC571	350,447	6,614,197	43
GJAC478	351,630	6,613,149	65	GJAC572	350,515	6,614,247	43
GJAC479	351,671	6,613,175	60	GJAC573	350,593	6,614,310	66
GJAC480	351,708	6,613,201	60	GJAC574	350,677	6,614,369	65
GJAC481	351,343	6,613,034	57	GJAC575	350,747	6,614,435	49
GJAC482	351,260	6,612,978	63	GJAC576	350,762	6,614,447	60
GJAC483	351,172	6,612,921	55	GJAC577	350,820	6,614,486	51
GJAC484	351,103	6,612,880	53	GJAC578	350,361	6,614,510	45
GJAC485	351,244	6,613,086	59	GJAC579	350,415	6,614,560	31
GJAC486	351,278	6,613,122	54	GJAC580	350,428	6,614,572	53
GJAC487	351,314	6,613,154	72	GJAC581	350,507	6,614,601	60
GJAC488	351,363	6,613,172	41	GJAC582	350,270	6,614,836	30
GJAC489	351,401	6,613,201	60	GJAC583	350,305	6,614,877	57
GJAC490	351,440	6,613,233	58	GJAC584	350,183	6,615,156	60
GJAC491	351,480	6,613,256	61	GJAC585	350,420	6,613,392	56
GJAC492	351,515	6,613,290	62	GJAC586	350,246	6,613,516	51
GJAC493	351,558	6,613,321	60	GJAC587	350,335	6,613,558	54
GJAC494	351,603	6,613,351	61	GJAC588	350,298	6,613,703	69
GJAC495	351,197	6,613,063	63	GJAC589	350,217	6,613,639	54
GJAC496	351,156	6,613,031	75	GJAC590	350,134	6,613,583	60
GJAC497	351,121	6,613,007	67	GJAC591	350,053	6,613,522	51
GJAC498	351,801	6,612,909	59	GJAC592	350,259	6,613,930	18
GJAC499	351,759	6,612,878	54	GJAC593	350,180	6,613,864	11
GJAC500	351,719	6,612,849	73	GJAC594	350,101	6,613,803	36
GJAC501	351,681	6,612,822	72	GJAC595	350,017	6,613,739	51
GJAC502	351,641	6,612,794	66	GJAC596	349,944	6,613,683	60
GJAC503	351,594	6,612,758	71	GJAC597	349,790	6,613,715	60
GJAC504	351,558	6,612,738	65	GJAC598	349,860	6,613,629	60
GJAC505	351,511	6,612,705	56	GJAC599	349,872	6,613,782	57
GJAC506	351,483	6,612,682	58	GJAC600	349,942	6,613,838	42
GJAC507	351,441	6,612,653	59	GJAC601	350,028	6,613,890	84
GJAC508	351,443	6,613,484	65	GJAC602	350,110	6,613,944	11
GJAC509	351,401	6,613,457	59	GJAC603	350,165	6,614,375	33
GJAC510	351,357	6,613,431	59	GJAC604	350,093	6,614,318	30



Hole ID	MGA East	MGA North	EOH Depth	Hole ID	MGA East	MGA North	EOH Depth
GJAC511	351,325	6,613,399	36	GJAC605	350,011	6,614,261	49
GJAC512	351,318	6,613,399	63	GJAC606	349,938	6,614,196	55
GJAC513	351,286	6,613,379	67	GJAC607	349,850	6,614,147	44
GJAC514	351,246	6,613,337	66	GJAC608	349,968	6,615,000	54
GJAC515	351,128	6,613,503	61	GJAC609	349,882	6,614,947	40
GJAC516	351,173	6,613,524	74	GJAC610	349,802	6,614,874	32
GJAC517	351,210	6,613,560	56	GJAC611	350,061	6,614,698	11
GJAC518	351,248	6,613,588	55	GJAC612	349,990	6,614,647	42
GJAC519	351,289	6,613,620	51	GJAC613	349,899	6,614,593	17
GJAC520	351,205	6,613,726	53	GJAC614	349,826	6,614,522	33
GJAC521	351,253	6,613,747	48	GJAC615	350,483	6,613,434	64
GJAC522	351,069	6,613,751	66	GJAC616	350,410	6,613,632	46
GJAC523	351,113	6,613,776	63	GJAC617	350,375	6,613,765	32
GJAC524	351,153	6,613,804	51	GJAC618	350,012	6,615,029	60
GJAC525	351,054	6,613,851	60	GJAC619	350,813	6,613,939	55
GJAC526	351,007	6,613,823	69	GJAC620	350,753	6,613,832	53
GJAC527	350,996	6,612,904	59	GJAC621	350,532	6,613,721	88
GJAC528	351,035	6,612,936	57	GJAC622	350,607	6,613,513	31
GJAC529	350,885	6,613,062	54	GJAC623	350,624	6,613,411	57
GJAC530	350,928	6,613,097	56	GJAC624	350,649	6,613,310	60
GJAC531	350,963	6,613,122	57	GJAC625	350,798	6,612,766	57
GJAC532	351,008	6,613,143	60	GJAC626	350,838	6,612,792	55
GJAC533	351,048	6,613,175	63	GJAC627	350,881	6,612,827	47
GJAC534	351,088	6,613,199	81	GJAC628	350,932	6,612,757	57
GJAC535	350,764	6,613,236	62	GJAC629	350,863	6,612,692	60
GJAC536	350,809	6,613,265	54	GJAC630	350,900	6,612,615	60
GJAC537	350,848	6,613,293	63	GJAC631	350,942	6,612,648	60
GJAC538	350,883	6,613,319	81	GJAC632	350,975	6,612,664	60
GJAC539	350,918	6,613,343	69	GJAC633	350,956	6,612,539	60
GJAC540	350,960	6,613,381	60	GJAC634	351,048	6,612,608	60
GJAC541	351,009	6,613,406	78				
GJAC542	351,048	6,613,432	73				
GJAC543	351,076	6,613,468	69				
GJAC544	350,724	6,613,364	72				
GJAC545	350,672	6,613,446	63				
GJAC546	350,711	6,613,478	66				
GJAC547	350,748	6,613,504	38				
GJAC548	350,792	6,613,540	75				

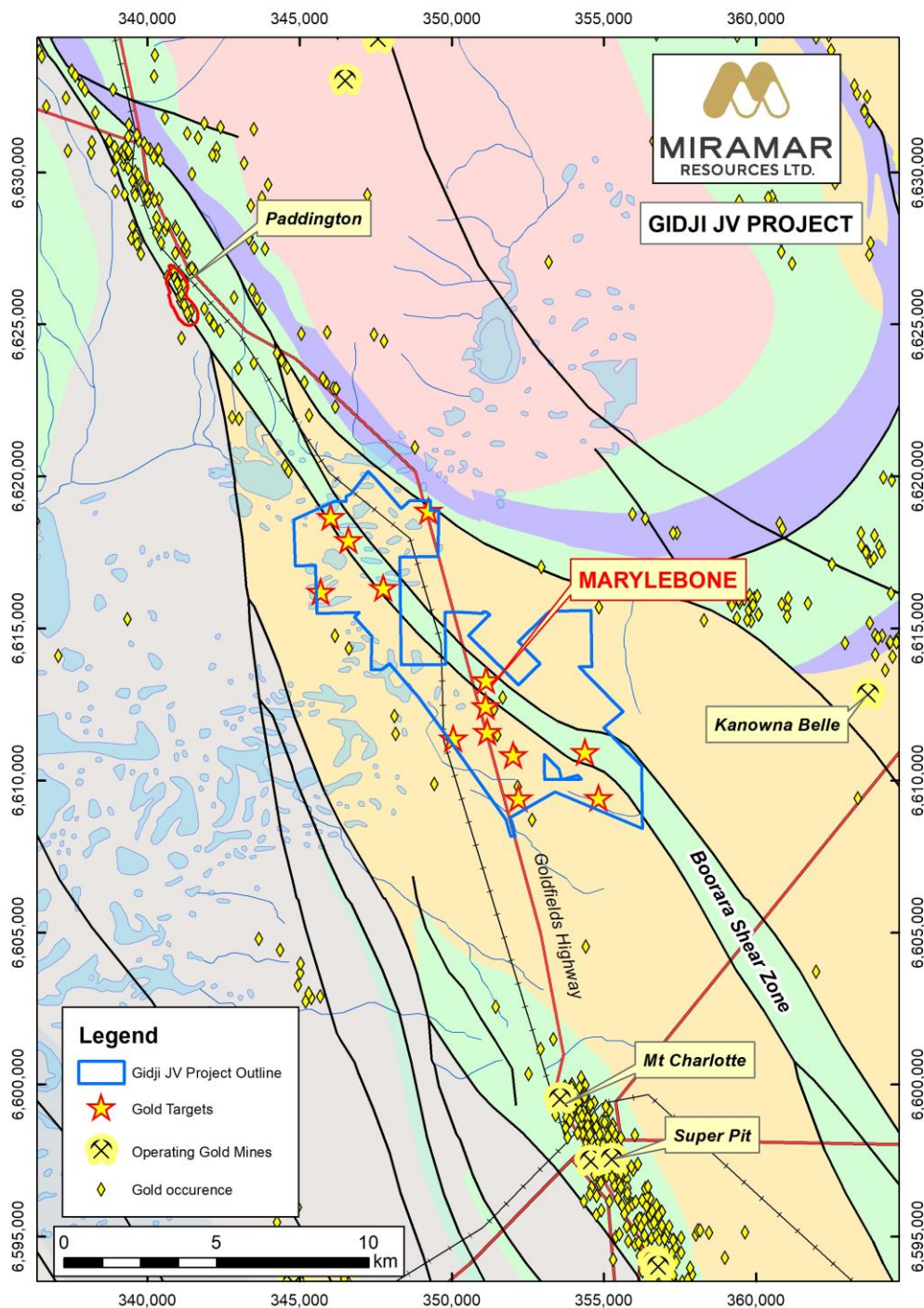




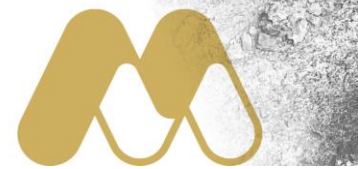
**About the Gidji JV Project**

The Gidji JV Project is located approximately 15km north of Kalgoorlie and in close proximity to a number of gold mining and processing operations. Despite this, the Project is underexplored due an extensive layer of transported material over the most prospective geology.

Miramar purchased an 80% interest in a number of tenements along the Boorara Shear Zone, as part of the October 2020 IPO and ASX listing, and has been actively exploring the project resulting in the discovery of several new targets including the Marylebone target which has the same geological sequence as the nearby 4 million ounce Paddington gold deposit.



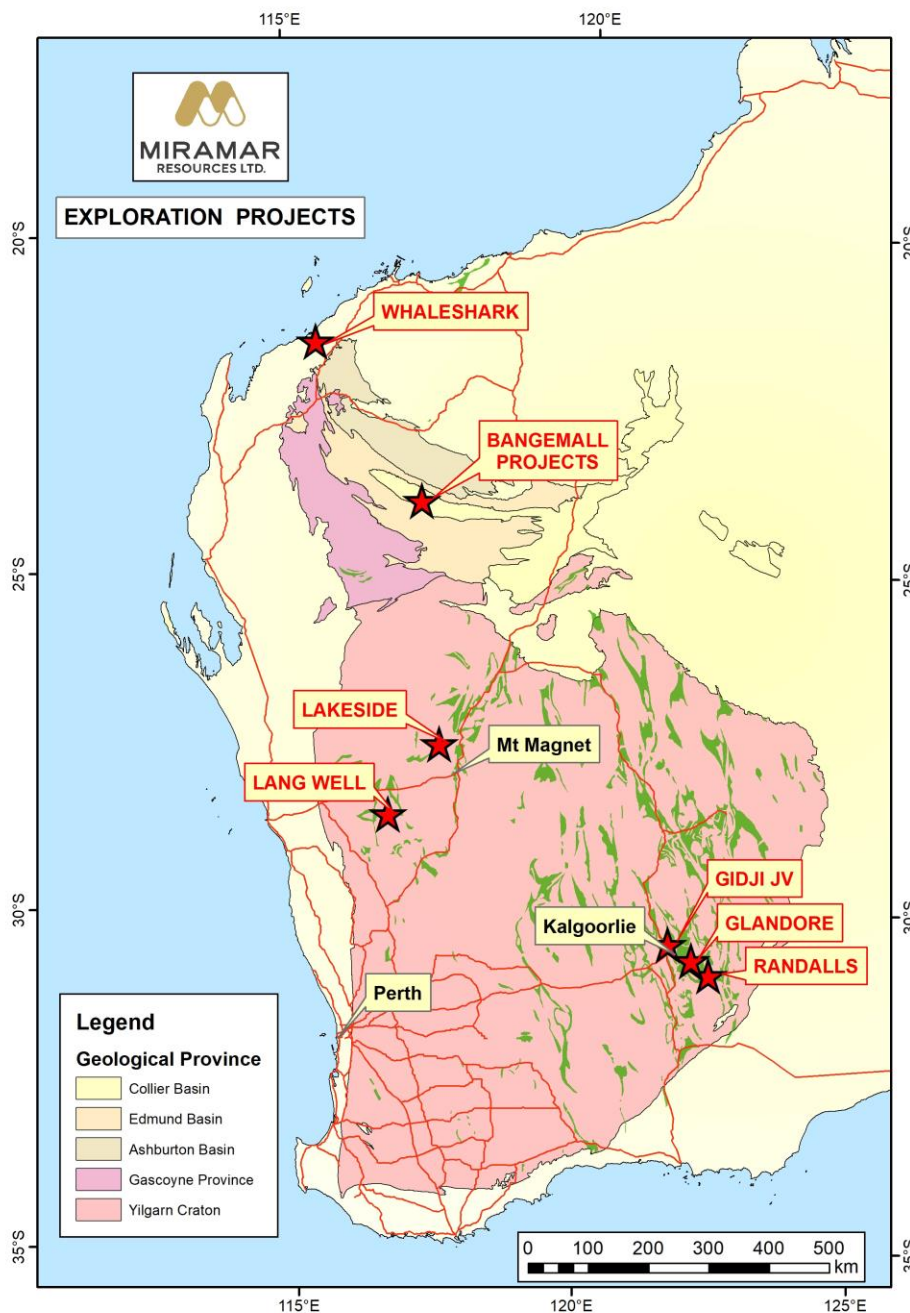




**About Miramar Resources Limited**

Miramar Resources Limited is an active mineral exploration company exploring for gold, IOCG and Ni-Cu-PGE deposits in the Eastern Goldfields, Murchison and Gascoyne regions of Western Australia.

Miramar’s Board has a track record of discovery, development and production within Australia, Africa, and North America, and aims to create shareholder value through discovery of high-quality mineral deposits.





## JORC 2012 Table 1 – Gidji JV Aircore Drilling

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>4m composite samples compiled from individual 1m sample piles</li> <li>Sampling commences 4m above the interpreted uniformity between transported material and weathered basement</li> <li>Sample intervals are split across the transported/basement unconformity</li> <li>Samples average 3kg in weight</li> <li>Samples with significant results are resplit by taking individual 1m samples for re-assay</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>Aircore drilling to "blade refusal"</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Comments recorded for samples with low recovery</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the</li> </ul>	<ul style="list-style-type: none"> <li>Samples were logged for colour, weathering, grain size, geology, alteration and mineralisation where possible</li> </ul>



Criteria	JORC Code explanation	Commentary
	<i>relevant intersections logged.</i>	
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li>• <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li>• <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li>• <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li>• <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i></li> <li>• <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>• 4m composite samples combined from individual 1m samples piles to achieve approximately 3kg of sample</li> <li>• Sampling commences 4m above the interpreted uniformity between transported material and weathered basement</li> <li>• Where possible sample intervals are split across the transported/basement boundary</li> <li>• Samples with significant results are resplit by taking individual 1m samples for re-assay</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></li> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Samples were assayed using an aqua-regia digest followed by analysis of gold and multi-elements by ICPMS with lower detection limit of 1ppb Au</li> <li>• QAQC samples inserted at frequency of 4 QAQC samples (i.e. standard, blank duplicate) per 100 samples</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Composite samples with &gt;0.25g/t Au will be re-assayed as 1m re-splits</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>• <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Hole collar locations were recorded with a handheld GPS in MGA Zone 51S</li> <li>• RL was also recorded with handheld GPS but accuracy is variable</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>• <i>Data spacing for reporting of Exploration Results.</i></li> <li>• <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></li> <li>• <i>Whether sample compositing has been</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drill spacing is generally 50m along lines and from 150-300m between lines.</li> <li>• The spacing is appropriate for the stage of exploration</li> <li>• 1m sample piles were composited over 4m</li> <li>• Samples with significant results are resplit by taking individual 1m samples for re-assay</li> </ul>





Criteria	JORC Code explanation	Commentary
	<i>applied.</i>	
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li>Drill lines were completed perpendicular to the trend of the main geological units and parallel to previous drill lines.</li> <li>It is likely that the mineralized structures trend at a different orientation to the regional geology</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were transported from site directly to the laboratory by Miramar staff</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>No audits have been undertaken</li> </ul>

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>The exploration was conducted on E26/214, E26/225, P26/4221 and P26/4222 which are owned 80% by Miramar Goldfields Pty Ltd and 20% by Thunder Metals Pty Ltd</li> <li>Miramar Goldfields Pty Ltd is a wholly owned subsidiary of Miramar Resources Limited</li> <li>Miramar has an exploration JV with Thunder Metals Pty Ltd</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Exploration has been previously completed by other companies including Goldfields and KCGM, and included auger drilling, RAB, aircore and limited RC drilling.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The target is Archaean greenstone-hosted mesothermal gold mineralisation.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>See Table 1 and 2 and Figures which show all drilling completed to date.</li> </ul>



Criteria	JORC Code explanation	Commentary
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li><i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i></li> <li><i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i></li> <li><i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></li> </ul>	<ul style="list-style-type: none"> <li>Intervals reported over 0.25g/t Au with maximum of 1 sample of internal dilution</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li><i>These relationships are particularly important in the reporting of Exploration Results.</i></li> <li><i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> <li><i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i></li> </ul>	<ul style="list-style-type: none"> <li>No assumptions about true width or orientation of mineralisation can be made from the current programme</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li><i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i></li> </ul>	<ul style="list-style-type: none"> <li>See attached Tables and Figures</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li><i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i></li> </ul>	<ul style="list-style-type: none"> <li>All reported holes shown in Figure 1</li> <li>Table 2 shows collar information for all holes completed</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li><i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></li> </ul>	<ul style="list-style-type: none"> <li>No other relevant data</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>Further aircore, RC and/or diamond drilling planned</li> </ul>